

## **COMPETITIVE WORKPLAN**

**Nonpoint Source (NPS) Watershed Protection Within the  
Washoe Tribe of Nevada and California Lands  
Under the EPA Clean Water Act Section 319(h)**

**NPS Floodplain Conservation, Trail and Roadway Stabilization/Decommission and  
Bank Stabilization Projects for Washoe Tribal Upper Clear Creek Parcel, Nevada**

**FY2010**

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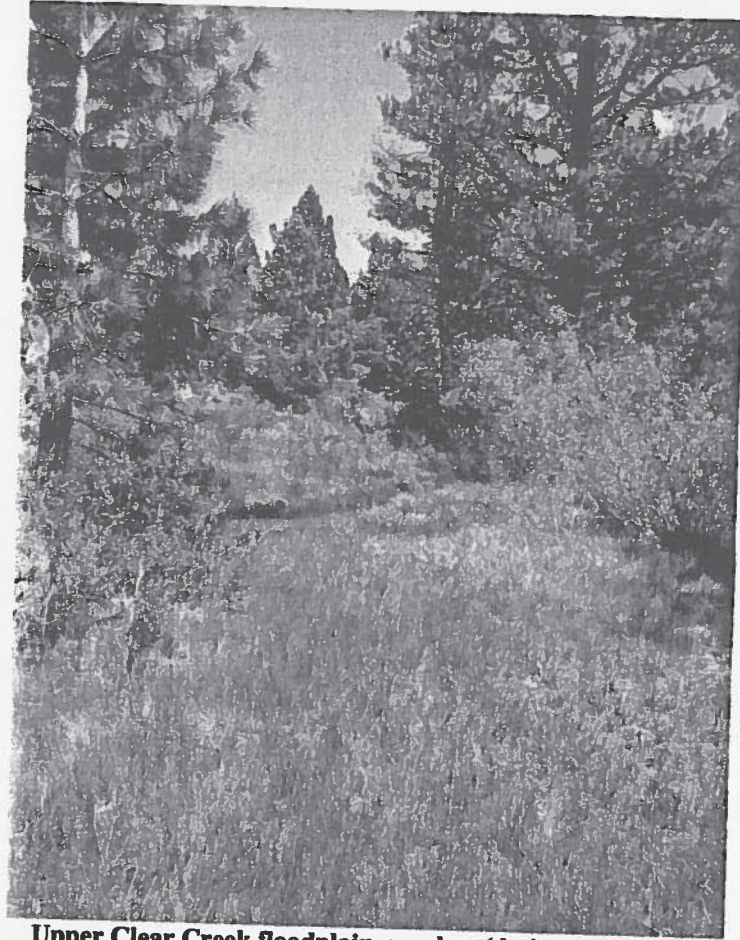
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***Of the:***

**Washoe Tribe of Nevada and California**

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Upper Clear Creek floodplain meadow (desired condition)

## 1.0 INTRODUCTION

### 1.1 Proposal Purposes

The Washoe Tribe of Nevada and California is submitting the following proposal in response to the EPA FY10 Request for Proposals from Indian Tribes and Intertribal Consortia for Nonpoint Source Management Grants Under Clean Water Act (CWA) Section 319(h). The Washoe Tribe is eligible to compete for the program and competitive Watershed funding in that:

- EPA has approved the Washoe Nonpoint Source Assessment and Management Program.
- EPA has granted approval to the Washoe Tribe pursuant to CWA Section 518 ("Treatment-as-a-State") to administer the Nonpoint Source (NPS) Pollution Program.
- EPA has granted approval of the *Carson River Stewardship Plan (CRSP)* which includes the 9 Components of a Watershed Plan which EPA requires for proposed watershed NPS projects (refer to Appendix C).



- The proposed project area is within Tribal "reservation" lands (refer to Maps 1 and 2: Washoe Upper Clear Creek Parcel and parcels within the Clear Creek Watershed).

The proposed 157 acre project area aims to reduce NPS pollution caused by flooding, stormwater runoff from trails and roadways, and forestry activities at Upper Clear Creek Parcel which includes a portion of Clear Creek and a tributary which are subwatersheds within the Carson River Watershed (refer to Maps 1 and 2). Specifically, the project strives to reduce sediment and nutrient loading and improve streambank stability and wetland/meadow function.

The proposed project area was severely impacted from the logging activities during the Comstock period. Clear Creek was utilized as a flume to move logs from Spooner Summit, Lake Tahoe to the Carson River and transported to Virginia City, NV. Following the Comstock period the area was utilized for grazing until the Tribe acquired the property from the Bureau of Indian Affairs in the mid 1980's when the Stewart Indian School properties were disposed of. Current road systems such as Old Clear Creek Road (part of the historical Lincoln Highway), Highway 50, logging roads and new developments surrounding the parcel have caused degraded unstable drainage ways throughout the parcel and increased sedimentation loading in the creek. Flooding is also a common occurrence; the 1997 and 2006 floods caused severe streambank instability. The stream channel has lowered in some areas so that the floodplain is not accessible thus the riparian/meadow hydrological function has changed lowering the groundwater table and drying out the riparian/meadows. *Usewi Wata* or Clear Creek has always been an important resource to the Washoe, both culturally and as a life source. The Washoe Tribal Council passed a resolution to set aside the Upper Clear Creek Parcel as a Forest and Cultural Preserve. The parcel is utilized for culture events, family gatherings, educational camps, recreation, fishing, gathering, and cultural and natural resource management activities.

The proposed project falls within the EPA's 2006-2011 Strategic Plan in advancing the protection and improvement of water quality support of Goal 2 (Clean and Safe Water), Objective 2.2 (Protect Water Quality), Sub-objective 2.2.1 (Protect and Improve Water Quality on a Watershed Basis).

Reduction of the NPS pollutants will be achieved through implementation of NPS measures utilizing several Best Management Practices (BMP) such as:

- Installation of bank stabilization measures, structures, rock check/log check dams, and reshaping, combined with vegetative treatments in 12 areas (approx 1-2 vertical foot) of degraded drainage channels as erosion and sediment control measures
- Installation of bioengineering practices (e.g. willow fascines, brush layering, pole plantings) on 200 linear feet of unstable streambank

- Installation of grade control structures in 4 areas to stabilize and improve the hydrological function of meadow and wetlands
- Trail and fire road stabilization/decommission approximately 1 mile

The proposed implemented projects will assist in efforts towards restoring water quality, watershed condition, and aquatic and riparian habitat on tribal lands as outlined in the Washoe Tribe of Nevada & California's Nonpoint Source Assessment and Management Program and the *Carson River Stewardship Plan* (CRSP) which includes the 9 Components of a Watershed Plan which EPA requires for proposed watershed NPS projects (refer to email attachment).

## 1.2 Background Statement

The Carson River Watershed (CRW) is on the Nevada 303d list for exceeding impairments of dissolved oxygen and temperature in the project's reach of the River. The Nevada Division of Environmental Protection (NDEP) in September 2007 had Total Maximum Daily Loads (TMDL) approved by EPA for total suspended solids and turbidity. The CRW is one of the EPA's targeted hydrologic unit areas. The CRW is also one of the 12-targeted areas on the National Clean Water Action Plan for coordinated restoration demonstration watersheds. The proposed project is a subwatershed within the CRW named Clear Creek Watershed and is on the NDEP 303d list for zinc, iron, fecal coliform, dissolved oxygen, and temperature at the gauging station on the Tribe's Lower Clear Creek Parcel.

The stakeholders within the CRW have completed several plans, which include *Carson River Master Plan* (2001), *Fluvial Geomorphic Assessment of the Carson River with Implications for River Management* (1996), *Upper Carson River Watershed Stream Corridor Condition Assessment* (2004) and the *Carson River Stewardship Plan* (2007). The *Carson River Stewardship Plan* (CRSP) includes the 9 Components of a Watershed Plan which EPA requires for proposed watershed NPS projects (refer to email attachment). Implementation of the proposed projects follow recommended activities within the CRSP and the Tribe's NPS Assessment Report and Management Program.

The WEPD completed a Unified Watershed Assessment (UWA), which listed the Middle Carson and Clear Creek as Category 1, and Priority 1 Watersheds. The UWA also lists and ranks tributaries, which influence the main watersheds. The proposed project is located in the upper reach of Clear Creek (perennial), which confluences with the Middle Carson River, and is located on the Washoe Upper Clear Creek Parcel which is situated between Spooner Summit, Lake Tahoe and Carson City, Nevada. Clear Creek Watershed Council was formed to protect, conserve, and restore Clear Creek Watershed through collaboration, education, and planning (additional information can be viewed at <http://www.conservationdistricts.org/ccwc>). Due to the importance of the Clear Creek Watershed, a Stakeholder Group identified the need for a watershed assessment project to locate and identify erosion and sedimentation areas, and developed mitigation alternatives with construction cost estimates. This was completed January, 2003

(PBS&J, *Clear Creek Erosion Assessment Final Report*). The streambank and several of the degraded drainages were identified in the Final Report as a "high erosion and high priority projects". The Tribe has completed several studies on Clear Creek due to the Tribe owning three parcels located on the upper, middle and lower portion of the watershed (Refer to Map 2). The WEPD conducts quarterly surface, groundwater and storm water monitoring through EPA Clean Water Act 106, BIA Water Resources and BOR Water Resources funding. Clear Creek once had a viable population of Lahontan Cutthroat Trout (LCT). The LCT was a stable food source for the Washoe until the watershed was severely damaged from the Comstock period when they were exterminated. WEPD has conducted habitat assessments and fisheries inventory work throughout the watershed and has future plans to complete a Lahontan Cutthroat Trout Reintroduction Implementation Plan when funding is available; this effort will be coordinated with U.S. Fish and Wildlife Service (USFWS) and Nevada Division of Wildlife (NDOW) and several other stakeholders. A USGS gauging station is located on the Tribe's Lower Clear Creek Parcel downstream of the proposed project.

### 1.3 NPS Subcategories and Pollutants/Threats

The Washoe NPS program utilizes the Implementation of the NPS Assessment Report and Management Program along with the CRSP and other planning documents that identify areas of concern such as the Clear Creek Watershed and guidance in addressing NPS pollutants (stream bank stabilization, sediment loading, elevated bacteria and water temperatures etc.) that impact water resources. The following NPS Categories with the associated subcategories and pollutant/threats for the proposed projects follow recommended activities within both plans.

| NPS Categories          | NPS Subcategory                   | BMP                                     |
|-------------------------|-----------------------------------|---|
| Habitat Modification    | Bank Modification/Destabilization | Streambank Protection and Stabilization |
| Floodplain Conservation | Loss of natural function          | Erosion and Sediment Controls           |
| Urban Runoff/Stormwater | Roadway maintenance and runoff    | Stream Protection and Stabilization     |

NPS pollution caused by flooding, agricultural activities, and development are major contributors of NPS pollution in the watershed. Water quality monitoring is completed throughout the watershed through a cooperative effort of stakeholders. The WEPD conducts quarterly surface water sampling through EPA Clean Water Act 106 funding on waters located on tribal lands. Two surface water sample sites (1 datalogger/1 grab) and a stormwater sample site are located within the proposed project area. Parameter results over the past two years have ranged from 104 - 120 for total dissolved solids (TDS), TKN is consistent at <0.2, turbidity (NTU) have ranged from 1.2 - 3.2, dissolved oxygen levels at 11.3 - 11.9 and color has ranged from 5 - 10.



#### **1.4 Project Goals and Objectives**

*The primary goal of the Washoe NPS Program is to identify, control, and abate the impacts of NPS pollution on the quality of the Tribe's water resources. This goal will provide for the beneficial use of the surface and ground water resources. Water quality, riparian and watershed condition must be managed to provide the opportunity for the Tribe to exercise beneficial and traditional uses.*

The proposed 157 acre project aims to reduce NPS pollution caused by flooding, stormwater runoff from trails and roadways and forestry activities at Upper Clear Creek Parcel which includes a portion of Clear Creek that confluence with the Carson River Watershed. Specifically, the project strives to reduce sediment and nutrient loading and improve trails/roadways, streambank stability and wetland/meadow function. The project area was severely impacted from the 1997 and 2006 flood events that caused bank failures, erosion and several degraded drainage channels.

#### **Goal: Reduce excessive sediment transport**

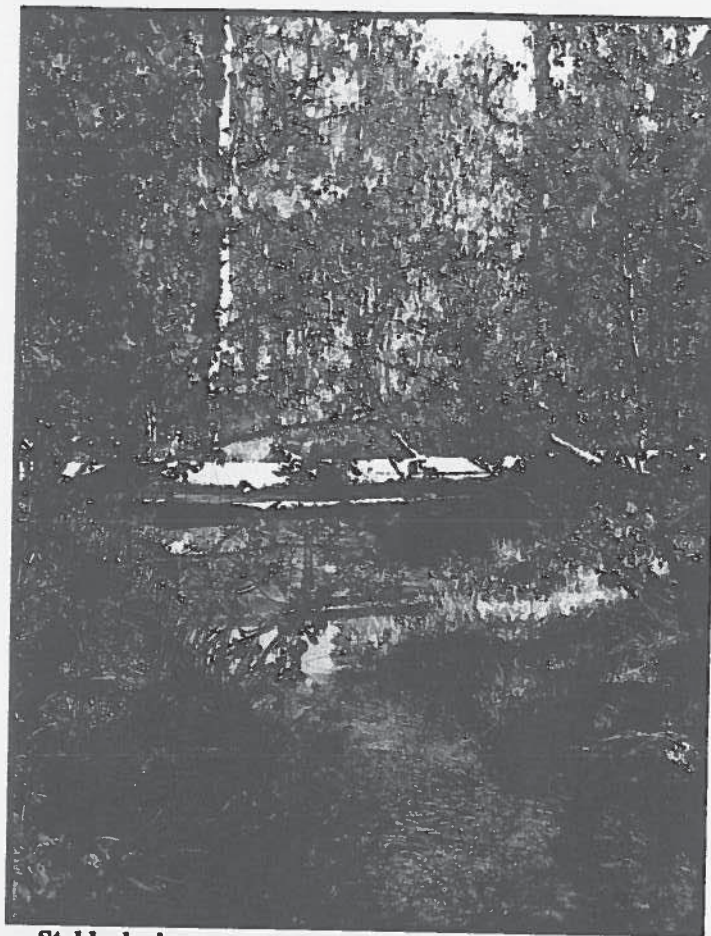
##### **Activities (BMPs):**

1. Erosion and Sediment Controls
2. Slope Stabilization
3. Stream Protection and Stabilization

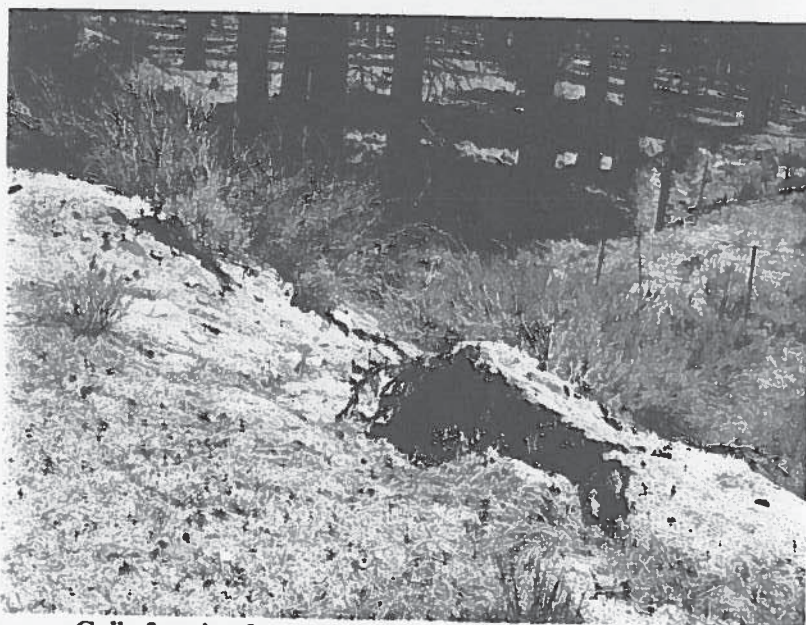
##### **Project Objectives:**

- Restore and protect impaired sites impacted by NPS pollution
- Track progress through program evaluation and fiscal administration
- Program capacity building and project coordination
- Implement "on-the-ground" projects.
- Monitor success of implemented projects

The Table Work Plan (Appendix A) provides the description of components and activities, outputs and target dates, and estimated staff hours and costs associated with completing the proposed project.



**Stable drainage grassy waterway (Desired Condition)**

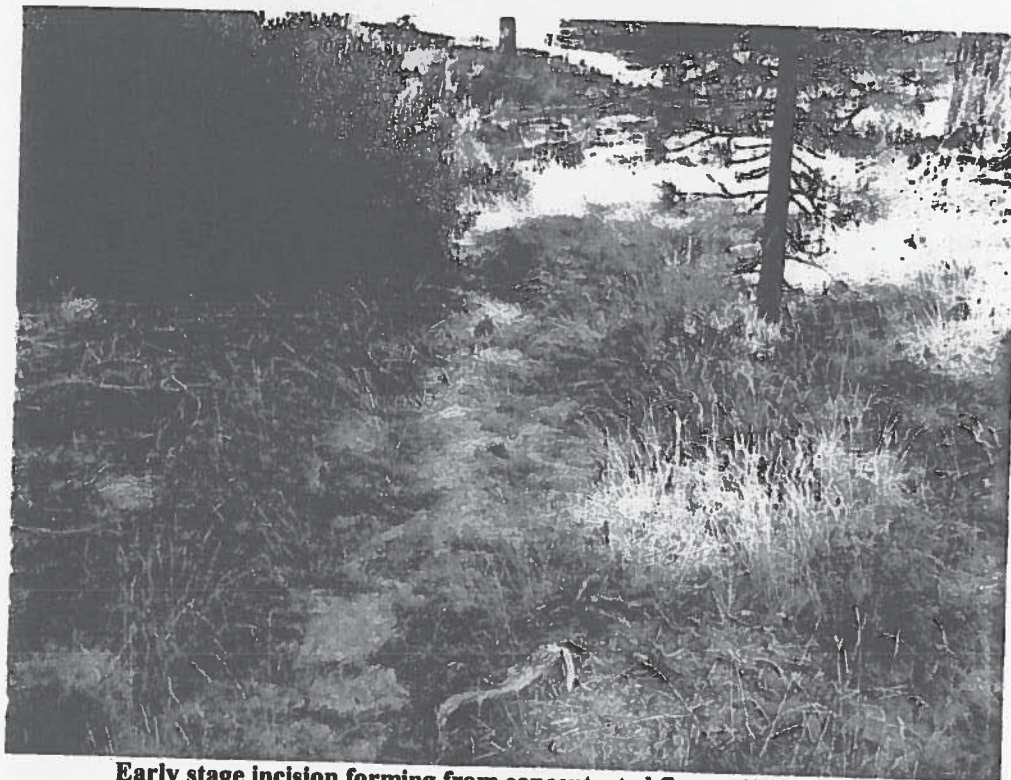


**Gully forming from stormwater runoff Clear Creek Road  
(Undesired condition BMPs will easily address erosion and sediment issues)**



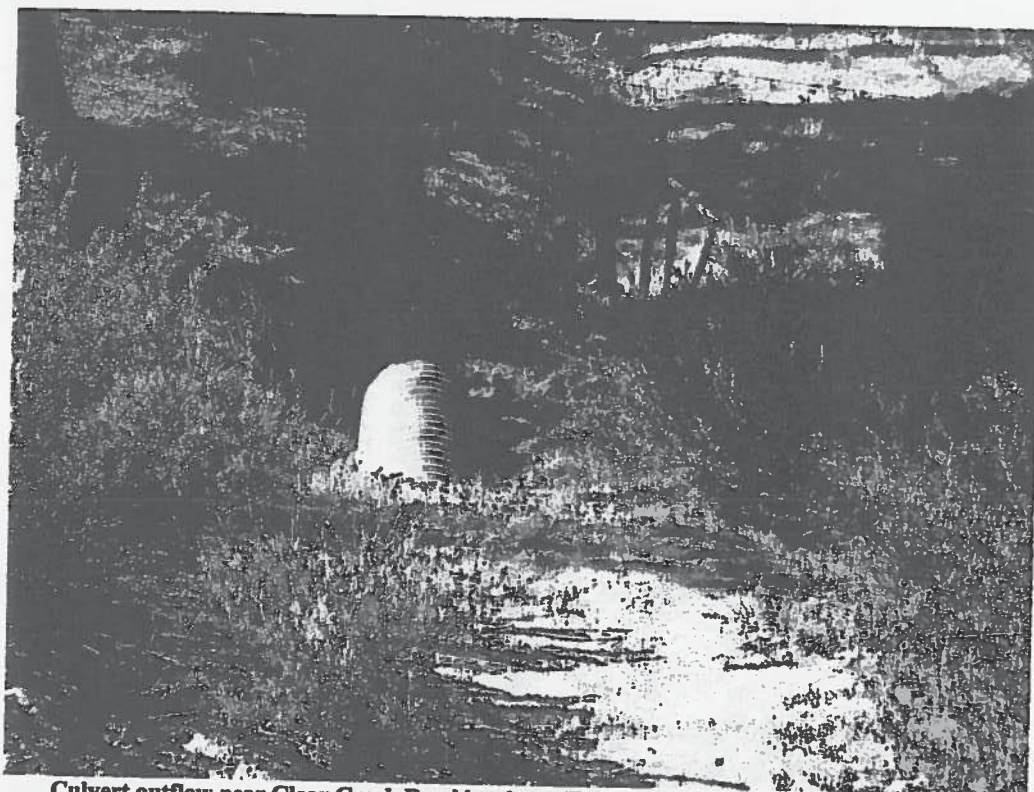


**Severe headcut impacting Clear Creek  
(Erosion/sediment controls and vegetative measures needed)**



**Early stage incision forming from concentrated flows off of roadway  
(BMPs will easily address erosion issue at this stage)**





**Culvert outflow near Clear Creek Road headcuts (Erosion and Sediment Controls Needed)**



**Drainage gullies formed from excessive sedimentation and stormwater from roadway is starting to form a headcut into the meadow. (Erosion and Sediment Controls needed)**





**New road system next to tribal boundary (fence) has caused excessive drainage into the natural drainage areas causing erosion and increased sedimentation delivery through tribal lands and to Clear Creek.**



**Excessive sedimentation in channel causing unstable streambank.  
(Undesired condition, streambank stabilization needed)**





**Large unstable construction disturbance next to Tribal boundary, modifying natural drainage  
(Drainage modifications needed to address erosion and sedimentation impacts)**



**Willow lined channel with herbaceous vegetation protecting floodplain  
(Desired condition)**

## **1.5 Measures to be Implemented and General Approach**

WEPD will be the lead Tribal department organizing, implementing, and administering the program. The WEPD Director and Coordinator will oversee the WEPD NPS lead staff member assigned to the project. The NPS lead is responsible for implementation and staffing coordination during the field season. Monthly updates will be provided to the Tribal Council. The NPS lead is responsible for coordinating the project. Quarterly reporting with WEPD staff will be completed including water resources for surface water quality monitoring data. The Director is responsible for administrative oversight and being a liaison between tribal and non tribal entities. The Tribal Financial Department will be responsible for submitting required financial status reports to the EPA.

The activities will be coordinated with the other tribal departments, the 4 Tribal Communities, and local agencies including state, federal, USDA Natural Resource Conservation Service (NRCS), Western Nevada Resource Conservation & Development Inc. (WNRC&D), Carson Valley Conservation District, Clear Creek Watershed Group, and Tribal Youth programs.

## **2.0 WORK PLAN COMMITMENTS**

### **2.1 Summarize Progress; Program Annual Evaluation/Program Fiscal Admin**

*Purpose and Need:* Progress reports are necessary to evaluate the effectiveness of our NPS Program. The Tribe is required to submit quarterly progress reports to the EPA and jointly evaluate grant accomplishments with the EPA Project Officer. Washoe Environmental Protection Department (WEPD) is required to submit monthly progress reports to the Tribal Council. In addition, as a NPS grantee, the Tribe is required to adhere to administrative requirements identified in 40 CFR Part 31 and OMB Circular A-87.

*Goals and Objectives:* To keep the Tribe and EPA informed of WEPD accomplishments, expenditures, challenges, and activities and maintain compliance with administrative requirements.

*Approach/Responsibilities:* The WEPD will submit monthly reports to the Tribal Council and quarterly reports to the EPA. The Tribe's fourth quarter "year end" report will assess the progress and accomplishments for the entire year. The EPA Project Officer will review WEPD quarterly reports and will provide a written evaluation "final report" of WEPD progress under the NPS agreement. A draft of the EPA Project Officer's evaluation will be submitted to the Environmental Director for review prior to being finalized and sent to the Tribal Chair.

Quarterly reports will contain the following information:



- A discussion of accomplishments as measured against the work plan commitments and anticipated environmental outputs and outcomes, for each work plan task.
- A discussion of the cumulative effectiveness of the work performed under all work plan components.
- A discussion of existing and potential problem areas.
- Suggestions for improvement, including, where feasible, schedules for making improvements.
- Status of expenditures (cumulative) for reporting period and explanations of cost overruns/under-runs if applicable.

*Environmental Outcomes/Results:* This task will keep WEPD and the Tribe in compliance with 40 CFT 31.40, 31.41, 35.507, 35.515, and 35.638 federal reporting requirements.

*Output/Deliverables & Target Dates*

1. Quarterly Reports to EPA (12/31/10, 3/31/11, 6/30/11 and 9/30/11)
2. Final Report (Annual Report) (12/31/11)
3. Tribal Council Reports are due the first week of every month. Reports are available upon request by EPA Project Officer.
4. Financial Status Report (submitted quarterly by the Tribal Finance Dept. Final FSR will be submitted 90 days after end date 12/31/11).
5. MBE/WBE (10/30/11 and 90 days after end date 12/31/11)

*Estimated Cost:* \$ 26,749

## **2.2 Program Capacity-Building and Coordination**

*Purpose and Need:* To coordinate and schedule WEPD NPS program tasks and activities with other environmental program activities for long and short term planning including updating the CRSP with the stakeholders. In addition, providing educational information to Tribal members on NPS Program and implementation.

*Goals and objectives:* To meet the goal of the NPS Program to assist tribes in developing the capacity to manage their own NPS Programs and to develop and implement BMP measures to minimize impacts to water resources. In addition to providing NPS educational information on BMP implementation to protect water resources.

*Approach/Responsibilities:* The WEPD Director and Coordinator will schedule and coordinate program activities. The WEPD Director and Coordinator will hire/train staff, hold staff meetings, draft RFPs and develop contracts as necessary. The Tribe's General Council, Administrator, Finance Director, and Secretary/Treasurer will review and make any modifications on contracts. The WEPD staff will attend Tribal managers meetings, and other meetings related to NPS. The WEPD Administrative Assistant will assist with



arranging travel, training, and record keeping of program activities. The WEPD Director and Coordinator will research and draft environmental grant proposals to assist with meeting the goals and objectives. The ES II NPS lead will attend the Carson River Watershed and Clear Creek Watershed meetings and assist with updating the CRSP, and coordinate activities with the Conservation Crew to implement projects. WEPD staff will evaluate and assist with recommendations on local stormwater issues that are impacting Tribal resources (e.g. Sun Ridge and Topsy Lane areas). WEPD staff will attend NPS workshops and trainings related to implementation. WEPD staff will develop educational activities and hands-on BMP implementation trainings to Tribal members at events and through articles, fliers and website.

*Environmental Outcomes/Results:* This task will result in building Tribal capacity in NPS management on tribal lands and coordination of WEPD program activities. WEPD will provide educational opportunities to over 100 people on WEPD NPS Program and BMP implementation.

*Output/Deliverables & Target Dates:*

1. Status of activities will be summarized in quarterly reports.
2. A copy of a list of trainings/workshops and copy of meeting calendars will be submitted with quarterly reports.

*Estimated Cost:* \$ 26,758

**2.3 "On-the-Ground" Planning and Implementation: NPS Floodplain Conservation, Trail and Roadway Stabilization/Decommission and Bank Stabilization Projects for Washoe Tribal Upper Clear Creek Parcel, Nevada**

*Purpose and Need:* To stabilize and reclaim the surface disturbance area, reduce soil erosion, and control runoff and sediment delivery from trails and roadways and riparian zones. Including the implementation of NPS BMP measures to address degradation of several drainage channels, meadow and riparian areas along Old Clear Creek Road and Clear Creek on the Tribe's Upper Clear Creek Parcel (refer to Maps 1 and 2), located within the Carson River Watershed, NV. The project will provide the resources necessary to continue implementing erosion and sediment control measures to protect and to strive towards restoring water quality, watershed condition, and aquatic and riparian habitat on tribal lands as outlined in the Washoe Tribe of Nevada & California's Non Point Source Assessment and Management Program and implementing the projects under the Carson River Stewardship Plan and Clear Creek Erosion Assessment Final Report.

*Goals and objectives:*

*Goals:*

1. Reduce excessive sediment transport.
2. Reduce risk of possible surface and ground water contamination.
3. Decrease non point source impacts through education and outreach.
4. Restore hydrological function to meadow and riparian areas.

5. Improve trails and roadways functionality.
6. Improve vegetative cover.

**Project objectives:**

1. Erosion and sediment controls using rock or log check dams, rock structures, diversions, sediment retention or conveyances.
2. Reduction of excessive sediment transport and long-term potential of improved surface and ground water quality for aquatic and terrestrial species.
3. Provide public outreach opportunities by promoting Tribal BMP education program by providing training, hosting special tours, and giving presentations.
4. Trail and roadway stabilization/decommission utilizing erosion and sediment control measures.

**Approach/Responsibilities:** The following approach, activities and responsibilities will be completed by WEPD staff.

1. The WEPD Director and Coordinator will assign personnel to complete sections of this task. Assign tasks to WEPD personnel and identify any possible modifications needed in work plan. Complete time-table coordinating funding efforts. Draft RFPs for contractors to complete engineering designs, inspect projects, and assist with implementation where needed. In addition to completing required tribal contracting steps. Schedule the Tribal Conservation Crew to implement projects. Coordinate NPS Program activities with other WEPD activities. Obtain any necessary permits and have Tribal Historic Preservation Officer assess project area. Administrative assistant will assist with record keeping and any necessary travel, event or training arrangements.
2. Construct implementation projects.
  - Erosion and sediment control measures at 12 degraded drainage channel areas; installation of BMP rock/log check dams, diversions, sediment retention and conveyance systems, and vegetative treatments. Utilize bioengineering BMPs on 4 areas to stabilize and improve hydrological function of meadow and riparian areas. Work with partners (ITCN Tribal Liaison, CCWG, and NRCS etc.).
  - Streambank stabilization utilizing willow fascines, brush layering, waddles, vegetative treatments, rock, and pole planting along approximately 200 linear feet of Clear Creek.
  - Trail and roadway stabilization/decommission utilizing BMPs.
  - Access to east side of creek: temporary crossing if necessary. Work with partners (U.S. ACE, Army Reserves, USFWS, NRCS)
3. Conduct training of tribal crews and volunteers. Identify materials to be used and make a timeline for collection or purchasing.
4. Provide NPS Program educational opportunities (website, articles, events, etc.) and BMP demonstration projects to tribal members. Host tours of project site for Tribal members, local watershed groups and others.

5. Develop and conduct monitoring activities according to Monitoring Plan in coordination with water resource staff under approved QAPP. Utilize GPS/GIS to map areas and document implementation. Establish photo points.

***Environmental Outcome/Results:***

It is anticipated that the projects implementation will result in reduced sediment delivery, reduced delivery of nutrients, increased bank stability, restore hydrological function in meadow and riparian areas, stabilize trail and roadways, and improved NPS Program and BMP implementation knowledge through education and outreach activities. These results will benefit surface and ground water quality and function, in addition to improving aquatic and wildlife habitat in the Clear Creek and Carson River Watersheds.

***Outputs/Deliverables & Target Dates:***

1. Summary of progress of task activities will be submitted with quarterly reports.
2. Final report (acres/feet of vegetation planted, structures installed, estimated yards of sediment controlled, number of willows and aspen/alder/cottonwood planted/established, feet of streambank/slope, number of degraded drainage channels addressed, acres of meadows protected and other BMP measures taken) detailing the success of the projects/activities, and identify future BMP projects needed in area. (12/31/11)
3. Copy of presentations, and educational materials developed during the project period will be submitted quarterly.

***Estimated Cost:*** \$ 113,160

### **3.0 MANAGEMENT**

#### **3.1 Organization/Staffing**

WEPD will be the lead Tribal department organizing, implementing, and administering the program. The WEPD Director and Coordinator will oversee the WEPD NPS lead staff member assigned to the project. The NPS lead is responsible for implementation and applicable staff coordination during the field season. Monthly updates will be provided to the Tribal Council. The NPS lead is responsible for coordinating the project quarterly reporting with WEPD staff (conservation crew and Environmental Specialists) including water resource staff for surface water quality monitoring data. The Director is responsible for administrative oversight and being a liaison between tribal and non tribal entities. The Tribal Financial Department will be responsible for submitting required financial status reports to the EPA.



### **3.2 Implementation and Schedule**

The proposed project will begin on October 1, 2010 and will end on December 31, 2011. Implementation of projects will occur during two field seasons: fall to early winter and spring to summer; the planning of the on-the-ground activities will take place mainly in the dry seasons and during the fall. Field work is contingent on weather and soil conditions.

### **3.3 Environmental Results Past Performance**

The Washoe Environmental Protection Department (WEPD) has had several federal and non-federal agreements within the past three years. Each of the agreements has set guidelines in reporting of tasks and activities accomplished during the reporting period. The work plan is used as a program logic model and management tool that is used throughout a program's life. Using evaluation and the logic model results in effective programming and offers greater learning opportunities, better documentation of outcomes, and shared knowledge of what works and why.

Quarterly reports contain the following information:

- Comparison of actual versus expected progress achieving environmental outcomes and outputs, for each work plan task.
- Explanations for lack of progress (or anticipated lack of progress) if applicable.
- Suggestion for improving grant performance or modifying expectations (including proposed changes to target due dates) if necessary.
- Status of expenditures (cumulative) for reporting period and explanations of cost overruns/ under-runs if applicable and equipment purchases.

Five Agreements:

1. EPA SWDA Special Purpose Activities: RCRA 8001 FY07
2. EPA Direct Implementation Tribal Cooperative Agreement FY07
3. EPA Non Point Source 319h since 2000
4. EPA Clean Water Act Section 106 since 1998
5. EPA General Assistance Program since 1994

Currently, the WEPD has over 18 agreements with several agencies including: U.S Forest Service, EPA, Department of Transportation, U.S. Department of Energy, Bureau of Reclamation, USDA, Bureau of Indian Affairs, Indian Health Service, and NRCS etc. Examples of outputs and outcomes from previous agreements include the establishment of several law and order codes, completion of a Non Point Source Assessment and Management Plan, draft Water Quality Standards, Unified Watershed Assessment, Open Dump Closure Plans, wellhead protective fencing on 8 sites, several streambank stabilization projects, wildland fire vegetative and erosion control implementation projects, and implementation of the Washoe Integrated Solid Waste Management Plan. The above five agreements listed were implemented successfully by WEPD.

The WEPD also has mandatory monthly reporting requirements for the Tribal Council which assists with keeping the Council informed of activities, issues, and project updates. The reporting has benefited WEPD in gaining Tribal Council support in natural resource protection. The EPA Project Officer for the Tribe's water programs has a strong relationship with WEPD and also is aware of local watershed issues. The long standing partnerships (federal, state, local, and tribal) within the Carson River Watershed (includes the Clear Creek Watershed) has also lead to many important efforts to protect water quality and other natural resources.

#### **4.0 BUDGET NARRATIVE**

A detailed line itemed budget has been developed and is included within this document. The budget defines and outlines cost elements and is the basis for implementing and maintaining the agreement. The itemized budget includes a column indicating the source of matching requirements by the Tribe.

Appendix A contains the budget details that reflect the overall costs for each component of the project. The matching requirements will be met through in-kind contributions.

##### **4.1 Personnel**

Personnel costs include costs for WEPD staff. The cost is associated with the activities under the *Approach/Responsibilities* section of the Work Plan (Appendix A). Estimated time for all staff involved in the program is budgeted. The Tribal Historic Preservation Officer's time to assess the site will be used as in-kind match.

##### **4.2 Fringe Benefits**

Fringe benefits are required to maintain the staff positions and include statutory payments, health and liability insurance, retirement, and vacation liability. The rates are established through the Tribal policy and must be applied against all labor costs. Rates include FICA, SUTA, SIIS, health insurance, retirement, vacation, and liability insurance.

##### **4.3 Operating Costs/Travel**

Operating Costs includes local travel to project area and related meetings (federal rate is used) and non local travel costs for NPS related trainings and workshops and fuel costs for the equipment.

##### **4.4 Contractual**

Contractual costs includes contractor for any design, surveying, crossing and for large sized rock that are necessary for the project. Rental of large equipment such as an excavator and track-hoe are also included.

#### **4.5 Equipment**

Equipment includes Washoe In-Kind match for use of trailers to haul materials, hand equipment (chain saws, auger, etc.), quads and vehicle to transport staff and materials, dump truck, and backhoe.

#### **4.6 Supplies**

Supplies will be needed to support office work and field activities. Supplies for the field will be hand tools, string, gloves and other small purchases that are necessary for on the ground implementation.

#### **4.7 Other**

Other costs includes: Best Management Practice (BMP) materials such as piping, matting, native seed and plants, stakes, separator, etc. Communication and maintenance line item which are costs associated with phones, internet, alarm fees, electricity, water/sewer costs. These are program costs not covered under indirect costs. In addition the Tribe's in-kind contribution for screened cobble rock, wood chips, and willow/aspen for bank stabilization.

#### **4.8 Total Direct Costs**

Total direct costs are the sum of the cost elements shown above. The amount requested complies with the EPA FY 2010 *Request for Proposals from Indian Tribes and Intertribal Consortia for Nonpoint Source Management Grants Under Clean Water Act (CWA) Section 319*.

#### **4.9 Indirect Costs**

The Tribe has an approved 2009 Indirect Cost Rate (on file at EPA R9) and plans on submitting the 2010 proposal in January thus the 2010 Indirect Cost Rate is expected to be approved prior to the start date of the proposed project.

#### **4.10 In-Kind Costs**

The Tribe will provide the required "In-Kind" match and is covered under the "Other and Equipment" line items. General guidelines on appropriate sources of In-kind contributions have been supplied by the EPA and will be followed. The Tribe is expecting approval for the 10% hardship waiver which was utilized for the proposal.

#### **4.11 Total Program Costs**

Total program costs are the sum of direct, indirect costs and the match.

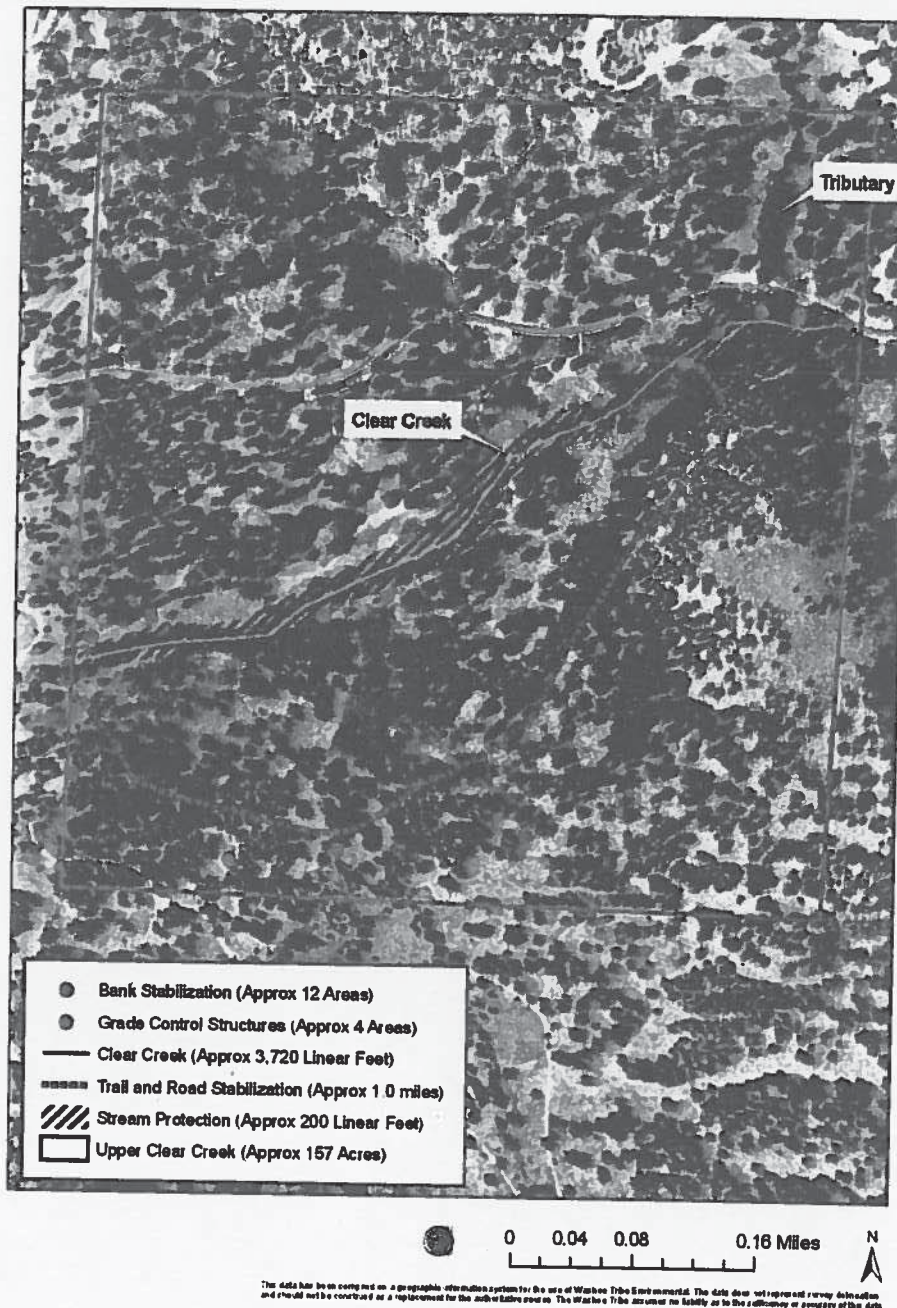


## **MAPS**

**Map 1 EPA NPS Watershed Project FY10, Upper Clear Creek Parcel**  
**Map 2 EPA NPS Watershed Project FY10, Washoe Tribal Lands Clear Creek**  
**Watershed, Nevada**

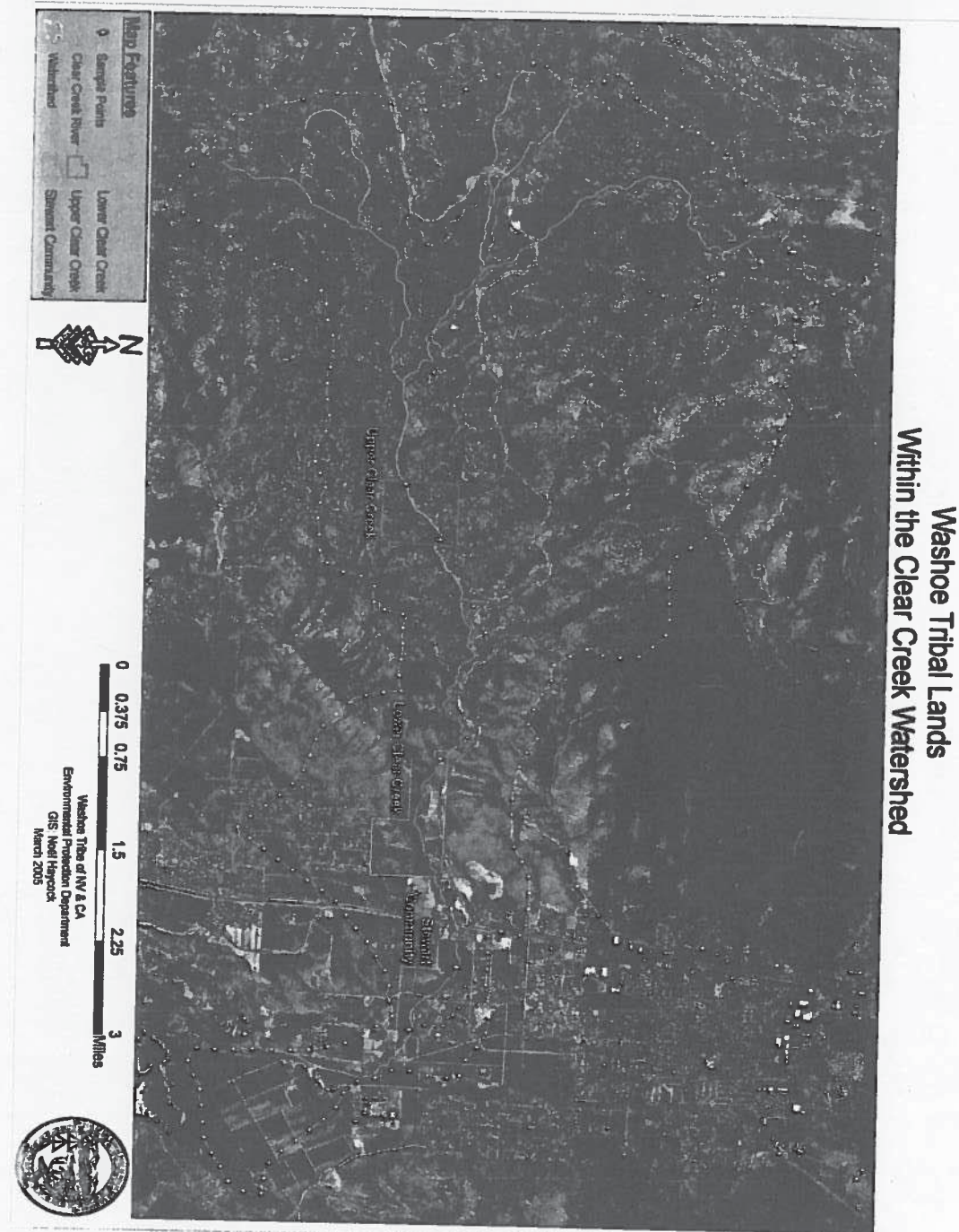
Washoe Tribe of Nevada and California  
EPA NPS Watershed Project FY10  
Upper Clear Creek  
Douglas County, Nevada

Washoe Tribe of NV and CA  
Environmental Protection Department  
GIS J. Johnson  
December 2009



**Map 1 EPA NPS Watershed Project FY10, Upper Clear Creek Parcel**





**Map 2 EPA NPS Watershed Project FY10, Tribal lands, Clear Creek Watershed**



## **Tables**

### **Proposed Line Item Budget**

**APPENDIX A: Table Work Plan (attached)**

**APPENDIX B: Supporting Documentation (attached)**

Washoe Tribe of Nevada California  
EPA NPS 319h FY10  
Watershed Budget

| LINE ITEM   | CALCULATION  | EPA REQUEST    | IN-KIND MATCH |
|---|--|----------------|---------------|
| <b>Personnel</b>  |  |                |               |
| Environmental Department Director   | 44.25/hour x 200   |                |               |
| Environmental Coordinator   | 33.25/hour x 150   | 8,850          |               |
| 1 FTE Environmental Specialist II   | 23.38/hour x 1100  | 4,988          |               |
| Tribal Historic Preservation Officer  | 36.58/hr x 20  | 25,718         |               |
| Environmental Specialist I  | 17.57/hour x 500   |                | 732           |
| Washoe Conservation Crew  | 15.06 x 500 x 3  | 8,785          |               |
| Administrative Assistant I  | \$19.32/hour x 150   | 22,590         |               |
| <b>Subtotal Personnel</b>   |  | 2,898          |               |
| <b>Fringe Benefits</b>  |  | <b>73,829</b>  | <b>732</b>    |
| FICA  |  |                |               |
| SUTA  | 0.0765   | 5,848          | 58            |
| SIIS  | 0.018  | 1329           | 13            |
| Health Insurance  | 0.0221   | 1,632          | 16            |
| Vacation Liability  | \$523/mo x 1.5 FTE x 14  | 7,322          | 50            |
| Liability Insurance   | .125 x sal   | 6,275          |               |
| Retirement Plan   | \$40mo x 4 x 14  | 2,240          |               |
|   | .06 sub sal  | 4,430          |               |
| <b>Subtotal Fringe Benefits</b>   |  | <b>28,876</b>  | <b>135</b>    |
| <b>Subtotal Personnel &amp; Fringe</b>  |  | <b>102,705</b> | <b>867</b>    |
| <b>Travel</b>   |  |                |               |
| Local Travel  | \$ .55 per mile x 3,000  | 1,650          |               |
| Fuel for equipment  | 150 gals @ \$3.33/gal  | 500            |               |
| Non Local Travel  | Workshops and Trainings  | 2,000          |               |
| <b>Subtotal Travel</b>  |  | <b>4,150</b>   |               |
| <b>Contractual</b>  |  |                |               |
| Contractor for engineering design, large rock and other materials needed to complete the projects |  | 11,000         |               |
| Equipment   | Excavator / Track hoe (\$1,000 day x 9.5 )   | 9,522          |               |
| <b>Subtotal Contractual</b>   |  | <b>20,522</b>  |               |
| <b>Equipment</b>  |  |                |               |
| Washoe Tribe  | trailer to haul materials, equipment, and tools @ 25day x 30 days = (\$750), 2 quads and vehicle use for project mobilization 6 wks @ \$350/wk = (\$4,200), dump truck @ \$750 wk x 3wks = (\$2,250), backhoe @ \$1,450/wk x 3wks = (\$4,350) etc. |                | 13,425        |
| <b>Subtotal Equipment</b>   |  |                | <b>13,425</b> |
| <b>Supplies</b>   |  |                |               |
| General Office  | \$35.71 x 14mo   | 500            |               |
| Field Supplies  | Field tools  | 1,909          |               |
| <b>Subtotal supplies</b>  |  | <b>2,409</b>   |               |
| <b>Other</b>  |  |                |               |
| BMP materials   | pipng, matting, native seed and plants, stakes, separator etc.   | 5,000          |               |
| Washoe Tribe  | cobble rock @ \$20 yrd x 80yds = (\$1,600), wood chips @ \$25yrd x 15yds = (\$375), willow @ \$1.00ft x 350ft.   |                | 2,375         |
| Communication/Maintenance   | phone, internet, cell phone, postage, elect, etc.  | 1,600          |               |
| <b>Subtotal Other</b>   |  |                |               |
| <b>Total Direct Costs</b>   |  | <b>6,600</b>   | <b>2,375</b>  |
| Indirect costs @ 11.75% minus contractual and equipment   |  | 136,388        | 16,667        |
| <b>Total Project Costs</b>  |  | <b>150,000</b> | <b>16,667</b> |

\* In-Kind Reflects Waiver request for 10% match



**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY10  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2010 THROUGH DECEMBER 31, 2011**

| Program Administration Component: DESCRIPTION OF TASKS & ACTIVITIES   | DELIVERABLES/<br>OUTPUTS<br>& TARGET DATES  | BEGIN & END<br>DATES  | ESTIMATED<br>PERSON/YEARS<br>(2080hrs = 1 YR)  | ESTIMATED<br>COST   |
|---|---|---|--|---|
| <p><b>Task 1. Summarize Progress; Program Annual Evaluation/Program Fiscal Admin</b></p> <p><i>Purpose and Need:</i> Progress reports are necessary to evaluate the effectiveness of our NPS Program. The Tribe is required to submit quarterly progress reports to the EPA and jointly evaluate grant accomplishments with the EPA Project Officer. Washoe Environmental Protection Department (WEPD) is required to submit monthly progress reports to the Tribal Council. In addition, as a NPS grantee, the Tribe is required to adhere to administrative requirements identified in 40 CFR Part 31 and OMB Circular A-87.</p> <p><i>Goals and Objectives:</i> To keep the Tribe and EPA informed of WEPD accomplishments, expenditures, challenges, and activities and maintain compliance with administrative requirements.</p> <p><i>Approach/Responsibilities:</i> The WEPD will submit monthly reports to the Tribal Council and quarterly reports to the EPA. The Tribe's fourth quarter "year end" report will assess the progress and accomplishments for the entire year. The EPA Project Officer will review WEPD quarterly reports and will provide a written evaluation "final report" of WEPD progress under the NPS agreement. A draft of the EPA Project Officer's evaluation will be submitted to the Environmental Director for review prior to being finalized and sent to the Tribal Chair.</p> <p>Quarterly reports will contain the following information:</p> <ul style="list-style-type: none"> <li>• A discussion of accomplishments as measured against the work plan commitments and anticipated environmental outputs and outcomes, for each work plan task.</li> <li>• A discussion of the cumulative effectiveness of the work performed under all work plan components.</li> <li>• A discussion of existing and potential problem areas.</li> <li>• Suggestions for improvement, including, where feasible, schedules for making improvements.</li> <li>• Status of expenditures (cumulative) for reporting period and explanations of cost overruns/under-runs if applicable.</li> </ul> <p><i>Environmental Outcomes/Results:</i> This task will keep WEPD and the Tribe in compliance with 40 CFT 31.40, 31.41, 35.507, 35.515, and 35.638 federal reporting requirements and evaluate performance under this agreement.</p> | <ol style="list-style-type: none"> <li>1. Quarterly Reports to EPA (12/31/10, 3/31/11, 6/30/11 and 9/30/11)</li> <li>2. Final Report (Annual Report) (12/31/11)</li> <li>3. Tribal Council Reports are due the first week of every month. Reports are available upon request by EPA Project Officer.</li> <li>4. Financial Status Report (submitted quarterly by the Tribal Finance Dept. Final FSR will be submitted 90 days after end date 12/31/11).</li> <li>5. MBE/WBE (10/30/10, 10/30/11 and 90 days after end date 12/31/11)</li> </ol> | <p>10/1/10 - 12/31/11</p> <p>10/1/10 - 12/31/11</p> <p>10/1/10 - 12/31/11</p> <p>10/1/10 - 12/31/11</p> <p>10/1/10 - 12/31/11</p> <p>10/1/10 - 12/31/11</p> | <p>PD 60hrs<br/>PC 50hrs<br/>ES II 250hrs<br/>ES I 50hrs<br/>AA 100hrs</p> <p>Total Hours: 510</p> | <p>PD: \$ 2,655<br/>PC: \$ 1,663<br/>ES II: \$5,845<br/>ES I: \$879<br/>AA: \$1,932<br/>F/T/O/I:<br/>\$13,775</p> <p>Total:<br/>\$ 26,749</p> |

**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2010 THROUGH DECEMBER 31, 2011**

| Program Capacity-Building and Coordination Component:<br>DESCRIPTION OF TASKS & ACTIVITIES  | DELIVERABLES/<br>OUTPUTS<br>& TARGET DATES  | BEGIN & END<br>DATES                                  | ESTIMATED<br>PERSON/YEARS<br>(2080hrs = 1 YR)   | ESTIMATED<br>COST   |
|---|---|---|---|---|
| <p><b>Task 2. Program Capacity-Building and Coordination</b></p> <p><i>Purpose and Need:</i> To coordinate and schedule WEPD NPS program tasks and activities with other environmental program activities for long and short term planning. In addition to providing educational information to Tribal members on NPS Program and implementation.</p> <p><i>Goals and objectives:</i> To meet the goal of the NPS Program to assist tribes in developing the capacity to manage their own NPS Programs and to develop and implement BMP measures to minimize impacts to water resources. In addition to providing NPS educational information on BMP implementation to protect water resources.</p> <p><i>Approach/Responsibilities:</i></p> <ul style="list-style-type: none"> <li>The WEPD Director and Coordinator will schedule and coordinate program activities. The WEPD Director and Coordinator will hire/train staff, hold staff meetings, draft RFPs and develop contracts as necessary. The Tribe's General Counsel, Administrator, Finance Director, and Secretary/Treasurer will review and make any modifications on contracts.</li> <li>The WEPD staff will attend Tribal managers meetings, and other meetings related to NPS. The ES II NPS lead will attend the Carson River Watershed and Clear Creek Watershed meetings, and coordinate activities with the Conservation Crew to implement projects. WEPD staff will evaluate and assist with recommendations on local stormwater issues that are impacting Tribal resources (e.g. Sun Ridge and Topsy Lane areas). WEPD staff will attend NPS workshops and trainings related to implementation. The WEPD Administrative Assistant will assist with arranging, travel, training, and record keeping of program activities.</li> <li>The WEPD Director and Coordinator will research and draft environmental grant proposals to assist with meeting the goals and objectives.</li> <li>WEPD staff will develop educational activities and hands-on-BMP implementation trainings to Tribal members at events and through articles, fliers and website.</li> </ul> <p><i>Environmental Outcomes/Results:</i> This task will result in building Tribal capacity in NPS management on tribal lands and coordination of WEPD program activities. In addition to educating over 150 people on WEPD NPS Program and BMP implementation.</p> | <p>1. Status of activities will be summarized in quarterly reports.</p> <p>2. A copy of a list of trainings/workshops and copy of meeting calendars will be submitted with quarterly reports.</p> | <p>10/1/10 -- 12/31/11</p> <p>10/1/10 -- 12/31/11</p> | <p>PD 40hrs<br/>PC 50hrs<br/>ES II 300hrs<br/>ES I 50hrs<br/>AA 50hrs</p> <p>Total Hours: 490</p> | <p>PD: \$ 1,770<br/>PC: \$1,663<br/>ES II: \$7,715<br/>ES I: \$879<br/>AA: \$956<br/>F/T/O/I: \$13,775</p> <p>Total: \$26,758</p> |

\*Program Director = PD  
Program Coordinator = PC  
Environmental Specialist II = ES II  
CC = Conservation Crew

S /F/O/E/I= Supplies/Fringe/Other, Equipment, and Indirect  
AA = Administrative Assistant  
THPO = Tribal Historic Preservation Officer  
Contractor = C



**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2010 THROUGH DECEMBER 31, 2011**

| Implementation of NPS On-the-Ground Projects Component:<br>DESCRIPTION OF TASKS & ACTIVITIES   | DELIVERABLES/<br>OUTPUTS<br>& TARGET DATES  | BEGIN & END<br>DATES  | ESTIMATED<br>PERSON/YEARS<br>(2080hrs = 1 YR)   | ESTIMATED<br>COST   |
|--|---|---|---|---|
| <p><b>Task 3. "On-the-Ground" Planning and Implementation: NPS Floodplain Conservation, Trail and Roadway Stabilization/Decommission and Bank Stabilization Projects for Washoe Tribal Upper Clear Creek Parcel, Nevada</b></p> <p><i>Purpose and Need:</i> To stabilize and reclaim the surface disturbance area, reduce soil erosion, and control runoff and sediment delivery from trails and roadways and riparian zones. Including the implementation of NPS BMP measures to address degradation of several drainage channels, meadow and riparian areas along near Old Clear Creek Road and Clear Creek on the Tribe's Upper Clear Creek Parcel (refer to Maps 1 and 2), located within the Carson River Watershed, NV. The project will provide the resources necessary to continue implementing erosion and sediment control measures to protect and to stride towards restoring water quality, watershed condition, and aquatic and riparian habitat on tribal lands as outlined in the Washoe Tribe of Nevada &amp; California's Non Point Source Assessment and Management Program and implementing the projects under the Carson River Stewardship Plan and Clear Creek Erosion Assessment Final Report.</p> <p><i>Goals and objectives:</i><br/><u>Goals:</u></p> <ol style="list-style-type: none"> <li>1. Reduce excessive sediment transport.</li> <li>2. Reduce risk of possible surface and ground water contamination.</li> <li>3. Decrease non point source impacts through education and outreach.</li> <li>4. Restore hydrological function to meadow and riparian areas.</li> <li>5. Improve trails and roadways functionality.</li> <li>6. Improve vegetative cover.</li> </ol> <p><u>Project objectives:</u></p> <ol style="list-style-type: none"> <li>1. Erosion and sediment controls using rock or log check dams, rock structures, diversions, sediment retention or conveyances.</li> <li>2. Reduction of excessive sediment transport and long-term potential of improved surface and ground water quality for aquatic and terrestrial species.</li> <li>3. Provide public outreach opportunities by promoting Tribal BMP education program by providing training, hosting special tours, and giving presentations.</li> <li>4. Trail and roadway stabilization/decommission utilizing erosion and sediment control measures.</li> </ol> | <ol style="list-style-type: none"> <li>1. Summary of progress of task activities will be submitted with quarterly reports.</li> <li>2. Final report (acres/feet of vegetation planted, structures installed, estimated sediment controlled, number of willows/alder/aspen planted/established, feet of streambank/slope stabilized, number of headcuts and degraded drainage areas addressed and other BMP measures taken) detailing the success of the projects/activities, and identify future BMP projects needed in area. (12/31/11)</li> <li>3. Copy of presentations, and educational materials developed during the project period will be submitted quarterly.</li> </ol> | <p>10/1/10 – 12/31/11</p> <p>10/1/10 – 12/31/11</p> <p>10/1/10 – 12/31/11</p> | <p>PD 80hrs<br/>PC 50hrs<br/>ES II 550hrs<br/>ES I 400hrs<br/>CC 3x 500hrs<br/>THPO 20hrs</p> <p>Total Hours:<br/>2,600</p> | <p>PD: \$ 3,540<br/>PC: \$ 1,663<br/>ES II: \$12,859<br/>ES I: \$7,028<br/>CC: \$22,590<br/><b>THPO: \$(867)</b><br/>S /F/O/E/I:<br/>\$13,964<br/>C : \$20,882<br/><b>E/O: \$15,800</b></p> <p>Total:<br/>\$113,160</p> <p>Total: 150,000<br/><b>InKind: 16,667</b></p> <p>Project:<br/>166,667</p> |

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Program Coordinator = PC  
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CC = Conservation Crew

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THPO = Tribal Historic Preservation Officer  
Contractor = C

**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2010 THROUGH DECEMBER 31, 2011**

**Task 3 continued...**

**Approach/Responsibilities:** The following approach, activities and responsibilities will be completed by WEPD staff.

1. The WEPD Director and Coordinator will assign personnel to completing sections of this task. Assign tasks to WEPD personnel and identify any possible modifications needed in work-plan. Complete time-table coordinating funding efforts. Draft RFPs for contractors to completed engineering designs, inspect projects, and assist with implementation where needed. In addition to completing required tribal contracting steps. Schedule the Tribal Conservation Crew to implement projects. Coordinate NPS Program activities with other WEPD activities. Obtain any necessary permits and have Tribal Historic Preservation Officer assess project area. Administrative assistant will assist with record keeping and any necessary travel, event or training arrangements.
2. Construct implementation projects.
  - a. Erosion and sediment control measures at 12 degraded drainage channel areas; installation of BMP rock/log check dams, diversions, sediment retention and conveyance systems, and vegetative treatments. Utilize bioengineering BMPs on 4 areas to stabilize and improve hydrological function of meadow and riparian areas. Work with partners (ITCN Tribal Liaison, CCWG, and NRCS etc.).
  - b. Streambank stabilization utilizing willow fascines, brush layering, waddles, vegetative treatments, rock, and pole planting along approximately 200 linear feet of Clear Creek.
  - c. Trail and roadway stabilization/decommission utilizing BMPs.
  - d. Access to east side of creek: temporary crossing if necessary. Work with partners (U.S. ACE, Army Reserves, USFWS, NRCS)
3. Conduct training of tribal crews and volunteers. Identify materials to be used and make a timeline for collection or purchasing.
4. Provide NPS Program educational opportunities (website, articles, events etc.) and BMP demonstration projects to tribal members. Host tours of project site for Tribal members, local watershed groups and others.
5. Develop and conduct monitoring activities according to Monitoring Plan in coordination with water resource staff under approved QAPP. Utilize GPS/GIS WEPD staff to map areas and document implementation. Establish photo points.

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THPO = Tribal Historic Preservation Officer

Contractor = C



**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2010 THROUGH DECEMBER 31, 2011**

**Task 3 continued...**

*Environmental Outcome/Results:*

It is anticipated that the projects implementation will result in reduced sediment delivery, reduced delivery of nutrients, increased bank stability, restore hydrological function in meadow and riparian areas, stabilize trail and roadways, and improved NPS Program and BMP implementation knowledge through education and outreach activities. These results will benefit surface and ground water quality and function, in addition to improving aquatic and wildlife habitat in the Clear Creek and Carson River Watersheds.

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

\*Program Director = PD  
Program Coordinator = PC  
Environmental Specialist II = ES II  
CC = Conservation Crew

S /F/O/E/I= Supplies/Fringe/Other, Equipment, and Indirect  
AA = Administrative Assistant  
THPO = Tribal Historic Preservation Officer  
Contractor = C

**Applicant Name and Address**

Washoe Tribe of Nevada and California  
919 Highway 395 South  
Gardnerville, NV 89410

**Contact Person**

Marie Barry, Environmental Director  
(775) 265-8682 Fax: (775) 265-3611  
Email: marie.barry@washoetribe.us

**Introduction/Background**

The Washoe Tribe has a long commitment to the restoration of Tribal lands and the aboriginal homelands. The Washoe Environmental Protection Department (WEPD) has completed with approval from the Tribal Council and the Environmental Protection Agency (EPA) the Nonpoint Source Assessment and Management Program, the Sampling and Analysis Plan for the Water Quality Monitoring Program, and the Quality Assurance Project Plan. The Tribe has joined forces with federal, state, and local governments to protect the Carson River Watershed environment in areas such as water quality, air quality, bank stabilization, and wildlife habitat improvement. WEPD has also worked with Tribal elders and children on the restoration and recording of the knowledge base of traditional and customary stewardship and practices and incorporate native practices and vegetation in projects.

The Washoe Tribe has been awarded NPS 319h grant funding since 2000. WEPD through the NPS projects has thus far implemented Phases I - III of a multiple phased project at Stewart Ranch, Phases 1 – 11 at Stewart Community, Clear Creek, Carson Community Waterfall Fire Erosion Control Projects, and Stormwater Improvement Projects within the Carson River and Clear Creek Watersheds in Nevada. Washoe NPS projects have resulted in over 5,000 vertical feet of riverbank stabilization, six alternative water sites for livestock, development of a cattle grazing plan, monitoring components, and held education and outreach events, installation of 3 miles of fencing along the Carson River corridor, bioengineering training, water quality monitoring, wellhead protection, ranching BMP measures, and several erosion and stormwater control projects. The WEPD received the 2004 Environmental Award for Outstanding Achievement from EPA IX for NPS efforts. The NPS Program is the most well-known Program within WEPD because of the immediate results and during implementation tribal members are known to show up ask questions and sometime assist in implementation. Examples of some results from our projects include sedimentation loading reductions new vegetative vigor or barrier, fencing around wellheads has protected the drinking water sources from potential contamination, stormwater impoundments and improvements have assisted with reduction of urban runoff pollutants and sedimentation, several demonstration projects have been done at events such as Earth Day to show members how to improve NPS issues around their homes.

The Tribe's Nonpoint Source Program with NPS FY10 Base funding continues to focus on wellhead protection. WEPD will install fencing around a spring well site at Carson Community and will contract to have abandoned wells properly sealed with WUMA staff's assistance. All wellheads are surveyed for possible contamination sources (PCS) on a regular basis so that issues are brought to the attention of managers and community leaders. The proposed implemented protects will assist in efforts towards protecting the Tribe's water resources as outlined in the Washoe Tribe of Nevada & California's Nonpoint Source Assessment and Management Program. The goals, objectives, outputs, results, timelines, and costs are detailed in the narrative work plan and detailed budget (attached).

Washoe Tribe of Nevada and California  
EPA NPS 319h FY10  
Base Budget

| LINE ITEM  | CALCULATION  | EPA REQUEST | INKIND MATCH |
|--|--|-------------|--------------|
| <b>Personnel</b>                                       |  |             |              |
| Environmental Department Director                      | \$44.25/hour x 40  |             |              |
| Environmental Coordinator                              | \$33.25/hour x 40  | 1,770       |              |
| GIS Specialist   | \$23.38/hour x 15  | 1,330       |              |
| 1 FTE Environmental Specialist II                      | \$23.38/hour x 250   | 351         |              |
| Washoe Tribe Task 3 Tech Assistance                    | Washoe Utility Management Authority Manager \$33.25 x 68hr and Tech. II \$21.25 x 25hr | 5,845       | 2,493        |
| Washoe Conservation Crew                               | 15.06 x 40 x 4 crew members  | 2,410       |              |
| <b>Subtotal Personnel</b>                              |  | 11,706      | 2,493        |
| <b>Fringe Benefits</b>                                 |  |             |              |
| FICA   | 0.0765   | 896         | 191          |
| SUTA   | 0.018  | 211         | 45           |
| SIIS   | 0.0221   | 259         | 55           |
| Health Insurance                                       | 1FT @ \$523.00mo x 6mo   | 3,138       | 192          |
| Liability Insurance                                    | \$40/mo x 1/12   | 240         |              |
| Vacation Liability                                     | .125 of salaries   | 1,463       |              |
| Retirement Plan  | .06 of salaries  | 731         |              |
| <b>Subtotal Fringe</b>                                 |  | 6,937       | 483          |
| <b>Subtotal Personnel &amp; Fringe</b>                 |  | 18,643      | 2,976        |
| <b>Operating Costs</b>                                 |  |             |              |
| Travel (local)   | 1,000 miles x \$.55  | 550         |              |
| <b>Subtotal Travel</b>                                 |  | 550         |              |
| <b>Supplies</b>  |  |             |              |
| Office Supplies  | general office supplies  | 238         |              |
| <b>Subtotal supplies</b>                               |  | 238         |              |
| <b>Contractual</b>                                     |  |             |              |
| Lab fees   |  |             |              |
| Contractor for well closure                            |  | 4,000       | 357          |
| <b>Subtotal Contractual</b>                            |  | 4,000       | 357          |
| <b>Other</b>   |  |             |              |
| Fencing materials                                      |  | 3,235       |              |
| Communications and maintenance                         | phones,elec, internet, postage   | 600         |              |
| <b>Subtotal other</b>                                  |  | 3,835       |              |
| <b>Total Direct Costs</b>                              |  | 27,266      | 3,333        |
| Indirect costs @11.75% minus contractual and equipment |  | 2,734       |              |
| <b>Total Project Costs</b>                             |  | 30,000      | 3,333        |

\* Anticipated 10% hardship match



**Washoe Tribe of Nevada & California  
EPA Nonpoint Source Program FY10  
Work Plan A Base**

### Description of Components & Activities

**Component 1. Summarize Progress; Program Annual Evaluation/Fiscal Admin.**

**Purpose and Need:** Progress reports are necessary to evaluate the effectiveness of our NPS Program. The Tribe is required to submit quarterly progress reports to the EPA and jointly evaluate grant accomplishments with the EPA Project Officer. In addition Washoe Environmental Protection Department (WEPD) is required to submit monthly progress reports to the Tribal Council. As a NPS Program recipient, the Tribe is required to adhere to administrative requirements identified in 40 CFR Part 31 and OMB Circular A-87.

**Goals and Objectives:** Meet federal administrative and reporting requirements under the NPS Program. The objective is to keep the Tribe and EPA informed of the WEPD's NPS Program accomplishments, expenditures, challenges, and activities.

**Approach/Responsibilities:** The WEPD will submit monthly reports to the Tribal Council and quarterly reports to the EPA. The Tribe's fourth quarter "final" report will assess the progress and accomplishments for the entire year. The EPA Project Officer will review WEPD quarterly reports and will provide a written evaluation "end of year report" of WEPD progress under the NPS grant. A draft of the EPA Project Officer's evaluation will be submitted to the Environmental Director for review prior to being finalized and sent to the Tribal Chair.

Quarterly reports will contain the following information:

- A discussion of accomplishments as measured against the work plan commitments and anticipated environmental outputs and outcomes, for each work plan task.
- A discussion of the cumulative effectiveness of the work performed under all work plan components.
- A discussion of existing and potential problem areas.
- Suggestions for improvement, including, where feasible, schedules for making improvements.
- Status of expenditures (cumulative) for reporting period and explanations of cost overruns/under-runs if applicable.

**Environmental Outcomes/Results:** This task will keep WEPD and the Tribe in compliance with federal reporting requirements and evaluate performance under this agreement.

### Deliverables/Outputs & Target Dates

## Dates

## Start

**End**

**Estimated person/yr  
(2080 hrs/yr)**

**Estimated  
Cost \***

1. Quarterly Reports to EPA (12/31/10, 3/31/11, 6/30/11, 9/30/11)
2. Final Report (Annual Report) (12/31/11 (90 days after end date)
3. Tribal Council Reports are due the first week of every month. Reports are available upon request by EPA Project Officer.
4. Financial Status Report (quarterly and 90 days after end date)
5. MBE/WBE (10/30/10, 10/30/11 and 90 days after end date)

10/1/10

12/31/11

PD: \$44.25 x 18/hr  
PC: \$33.25 x 5/hr  
ES II: \$23.38 x 83/hr  
GS: \$23.38 x 9/hr  
F/T/O/I:

\$ 797  
\$ 166  
\$1,941  
\$ 210  
\$2,837

**Total hours: 115**

**Total: \$ 5.741**

10/1/10

12/1/11

10/1/10

12/31/11

10/1/10

12/31/11

\*Program Director = PD  
Program Coordinator = PC  
Environmental Specialist II = ES II  
GIS Specialist = GS  
Contractor = C

S/F/O/E= Supplies/Fringe/Other, Equipment, and Indirect  
AA = Administrative Assistant  
WM = WUMA Manager  
WT = WUMA Tech II  
CC = Conservation Crew

**Washoe Tribe of Nevada & California**  
**EPA Nonpoint Source Program FY10**  
**Work Plan A Base**  
**October 1, 2010 through December 31, 2011**

| Description of Components & Activities   | Deliverables/Outputs<br>& Target Dates  | Start      Dates      End  | Estimated person/yr<br>(2080 hrs/yr)   | Estimated Cost *   |
|--|---|--|--|--|
| <p><b>Component 2. Program Capacity-Building and Coordination</b></p> <p><i>Purpose and Need:</i> To coordinate and schedule WEPD NPS program tasks and activities with other environmental program activities for long and short term planning.</p> <p><i>Goals and objectives:</i> To meet the goal of the NPS Program to assist tribes in developing the capacity to manage their own NPS Programs and to develop and implement BMP measures to minimize impacts to water resources. In addition to educating the tribal community on the importance of water quality protection and NPS Program.</p> <p><i>Approach/Responsibilities:</i></p> <ul style="list-style-type: none"> <li>The WEPD Director and Coordinator will schedule and coordinate program activities. The WEPD Director and Coordinator will hire/train staff, hold staff meetings, and maintain the administrative record with the Tribal Finance Department.</li> <li>The WEPD staff will attend the Nevada Tribal managers meetings and other meetings regarding NPS. WEPD staff will evaluate and assist with recommendations on local stormwater issues that are impacting Tribal resources (e.g. Clear Creek, Sun Ridge, and Topsy Lane areas) In addition staff will assist other NV Tribes with NPS technical assistance. The WEPD Administrative Assistant will assist with arranging, travel, training, and record keeping of program activities.</li> <li>The WEPD Director and Coordinator will research and draft environmental grant proposals to assist with meeting the goals and objectives.</li> <li>WEPD staff will attend NPS workshops and trainings related to implementation. WEPD staff will complete NPS educational activities within the four tribal communities and other events such as Earth Day and Washoe on the River Day.</li> <li>WEPD staff will work with CRC and other Stakeholders to update the Carson River Watershed Plan.</li> </ul> <p><i>Environmental Outcomes/Results:</i> This task will assist in building Tribal capacity and coordination of WEPD program activities and educate community members regarding NPS Program and issues impacting tribal lands.</p> | <ol style="list-style-type: none"> <li>Status of activities will be summarized in quarterly reports.</li> <li>List of trainings and meeting calendars will be provided with quarterly reports.</li> <li>Copies of presentations, and developed educational materials will be provided quarterly.</li> </ol> | <p>10/1/10      12/31/11</p> <p>10/1/10      12/31/11</p> <p>10/1/10      12/31/11</p> | <p>PD: \$44.25 x 10/hr<br/> PC: \$33.25 x 20/hr<br/> ES II: \$23.38 x 83/hr<br/> GS: \$23.38 x 3/hr<br/> F/T/O/I:</p> <p>Total hours:      116</p> | <p>\$ 443<br/> \$ 665<br/> \$1,941<br/> \$ 70<br/> \$2,837</p> <p>Total: \$5,956</p> |

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**Washoe Tribe of Nevada & California**  
**EPA Nonpoint Source Program FY10**  
**Work Plan A Base**  
**October 1, 2010 through December 31, 2011**

| Description of Components & Activities   | Deliverables/Outputs<br>& Target Dates  | Dates<br>Start                      End   | Estimated person/yr<br>(2080 hrs/yr)   | Estimated Cost *   |
|--|---|---|--|--|
| <p><b>Component 3. Implement Wellhead Protection BMP (10-12)</b><br/> <b>Purpose and Need:</b> To protect groundwater resources from pollution WEPD has identified 1 abandoned well in Carson Community as potential contaminant sources near Well Head Protection Areas (WHPA), that need to be properly sealed and closed. In addition to fencing a spring site and spring pump house located at Carson Community.<br/> <b>Goals and objectives:</b> The goal is to reduce potential contaminant sources from Washoe Community WHPA and protect groundwater resources by properly closing two abandoned wells.<br/> <b>Approach/Responsibilities:</b></p> <ul style="list-style-type: none"> <li>The Environmental Specialist and ES II will review well records and research the best closure procedure to implement on the Carson abandoned well identified as potential contaminant source (PCS) within the WHPA. ESII will develop closer plans and draft RFP for contractor. The Director and Coordinator will review and finalize the RFP and will send to potential contractors and assist in reviewing quotes for services and finalizing the contract with the Legal staff.</li> <li>Fencing installation will be completed by Washoe Conservation Crew at Carson spring site and the spring house. ES II will oversee the fencing.</li> <li>ES II will oversee the contractor throughout the contract and will draft a final report. The WEPD staff will coordinate with the Washoe Utilities Management Authority (WUMA) to complete the project and continue evaluating water quality data obtained to meet the requirements under SDWA prior and after the well closures and fencing installations for 8 sites that were fenced in previous NPS efforts to protect Community drinking water sources and continue evaluations on Potential Contaminant Sources within the Well Head Protection Areas.</li> <li>WEPD will coordinate with WUMA to complete PCS quarterly.</li> <li>The WUMA will conduct monthly water sampling as required under the Safe Drinking Water Act for public water systems and will provide data to WEPD to evaluate the success of the past wellhead protection NPS projects. The GIS Specialist will assist with GPS and reporting.</li> </ul> <p><b>Environmental Outcomes/Result:</b> Reporting on BMP (10-12) Wellhead Protection efforts and identification of any new potential contaminant sources (PCS). Closure of two PCS sites in WHPA and protect groundwater resources.</p> | <p>1. Status of activities will be summarized in quarterly reports.</p> <p>2. Summary of findings on implementation of BMP (10-12) due 12/31/11 "final" report.</p> | <p>10/1/10                      12/31/11</p> <p>10/1/11                      12/31/11</p> | <p>PD: \$44.25 x 12/hr<br/> PC: \$33.25 x 15/hr<br/> ES II: \$23.38 x 83/hr<br/> GS: \$23.38 x 3/hr<br/> CC: \$15.06 x 40hr x 4<br/> WUMA In-Kind Match:<br/> C<br/> F/T/O/I:</p> <p>Total hours:            113</p> | <p>\$ 531<br/> \$ 499<br/> \$1,941<br/> \$70<br/> \$2,410<br/> (\$3,333)<br/> \$4,000<br/> \$8,852</p> <p>Total: \$ 21,636</p> <p>Federal Cost:<br/> \$30,000<br/> In-Kind Match:<br/> \$ 3,333<br/> <u>Total Project Cost:</u><br/> <u>\$33,333</u></p> |

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WT = WUMA Tech II

CC = Conservation Crew



**Marie Barry**

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**From:** Wilson.Stephanie@epamail.epa.gov  
**Sent:** Monday, November 19, 2007 8:19 AM  
**To:** marie.barry@washoetribe.us  
**Cc:** Eastman.Tiffany@epamail.epa.gov  
**Subject:** Carson River Plan

Marie,  
Thanks for submitting your request that the Carson River Stewardship Plan be reviewed and accepted as the the Washoe Tribe's watershed plan.

The Washoe Tribe of Nevada and California's watershed-based plan titled "Carson River Stewardship Plan" meets the nine required elements of a watershed-based plan per the FY2007 Tribal Nonpoint Source Pollution Control Program Guidelines."

Signed by:  
Stephanie L. Wilson  
EPA Project Officer  
EPA Region 9, Tribal Office WTR-10  
PO Box 11  
Carson City, NV 89702  
(775) 885-6190  
FAX (775) 885-6064

11/19/2007

# Washoe Tribe of Nevada and California

## Environmental Protection Department



May 6, 2010

Ms. Gwen Brown  
U.S. Environmental Protection Agency  
Grants Management Office (MTS-7)  
75 Hawthorne Street  
San Francisco, CA 94105

Dear Gwen,

Enclosed please find the Washoe Tribe of Nevada and California's full application package for financial assistance under section 319h of the Clean Water Act "Base and Competitive Funding".

The Tribe's currently has a 2009 approved Indirect Cost agreement which is on file at the EPA Grants Management Office the Proposed Indirect Cost agreement for FY10 is attached. The request for a waiver for the match was submitted with the original proposal. The Washoe Tribe of Nevada and California's Nonpoint Source Assessment and Management Program were approved by the Environmental Protection Agency February 2000. We feel that the implementation of this effort is essential to the protection and enhancement of the waters on Washoe Tribal lands. The Tribal Council supports this proposal and passed a Tribal Resolution on November 13, 2009 to support this application.

We look forward to working in partnership with EPA to protect and restore water quality, watershed condition, aquatic, and riparian habitat on tribal lands. Please feel free to contact me at (775) 265-8682 or email at [marie.barry@washoetribe.us](mailto:marie.barry@washoetribe.us) if you have any questions or need additional information.

Sincerely,

Marie Barry, Environmental Director

cc: WEPD File/NPS FY10  
Stephanie Wilson – EPA Project Officer  
Washoe Grants Office

RECEIVED

MAY 11 2010

GMO, MTS-7

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919 Highway 395 South, Gardnerville, Nevada 89410  
(775) 265-4191 • (775) 883-1446 • (530) 694-2339 • FAX (775) 265-3211